



# **UNITED KINGDOM NATIONAL REPORT**

## **11<sup>TH</sup> SOUTH WEST PACIFIC HYDROGRAPHIC COMMISSION (SWPHC) MEETING**

**BRISBANE, AUSTRALIA**

**15<sup>th</sup> – 16<sup>th</sup> February 2012**

This report supplements the UK Generic National Report, posted on the UKHO website  
(see [www.ukho.gov.uk](http://www.ukho.gov.uk) → About Us → Role & Purpose → UK National Report)  
and describes UK's activities of direct relevance to the SWPHC Region.

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organisations which conduct hydrographic surveys, and has been considerable successful in promoting co-operation between these organisations.

**2.2** Any requests for survey assistance from nations within the SWPHC region will be assessed within the UK MoD, with advice from UKHO. UKHO can also contribute to project management of hydrographic surveys, and has a post dedicated to the phased development of new international survey activity and capability. It acts as the initial point of contact for UKHO involvement in direct overseas surveying schemes, including UK Overseas Territories and involvement in Regional Hydrographic Commission initiatives. Further information can be obtained from Mr. Bob Wilson ([Robert.wilson@ukho.gov.uk](mailto:Robert.wilson@ukho.gov.uk)), International Hydrographic Projects Manager

### 3 CHARTS

**3.1** UK's Generic National Report provides information on UK's portfolio of chart products and services.

#### Paper Charts



**3.2** The following charts have been published since the last SWPHC meeting as New Charts or full New Editions:

Since the last SWPHC meeting, UK has published 13 new adoptions from the Australian (AUS) series and 23 new editions of charts previously adopted.

Since the last SWPHC meeting, UK has published 8 new editions of charts previously adopted from the New Zealand (NZ) series and no new adoptions.

In addition to the charts published as bilateral adoptions from the AUS and NZ chart series, the following 39 charts have been published since the last SWPHC meeting. These are primarily – but not exclusively - to update the lines of equal magnetic variation shown on the charts.

Chart No	INT No	Title	Publication Date
1674	-	Eastern Approaches to Suva Harbour	13/10/11
4052		North Pacific Ocean - Southwestern Part	24/11/11
4064		Marie Byrd Land to Southwest Pacific basin	10/03/11
4065		Ross Sea to New Zealand	31/03/11
4074		Cape Darnley to Tasmania	31/03/11
4506		Mariana Islands to the Gilbert Group (Kiribati)	15/09/11
4600		New Zealand including Norfolk Island and Campbell Island	24/02/11
4601		Tasman Sea	10/02/11
4605		New Zealand to Fiji and Samoa Islands	17/02/11
4606		Tonga to Archipel des Tuamotu	17/02/11
4611		Southwest Pacific Basin to Pacific-Antarctic Rise	24/03/11
4612		Chatham Islands to Pacific-Antarctic Rise	24/03/11
4613		Chatham Islands to Ile Rapa	24/03/11
4614		Ile Rapa to Pacific-Antarctic Rise	24/03/11
4619		Iles Marquises to Clipperton Fracture Zone	27/10/11

Chart No	INT No	Title	Publication Date
4620		Percy Isles to Booby Island including Gulf of Papua	18/08/11
4621		Mackay to Solomon Islands	18/08/11
4622		Admiralty Islands to Solomon Islands	17/03/11
4623		Solomon Islands to Kosrae Island	17/03/11
4624		Santa Cruz Islands to Butaritari	31/03/11
4629		Samoa Islands to Northern Cook Islands and Tokelau	17/03/11
4630		Samoa Islands to Southern Cook Islands	30/12/10
4631		Samoa Islands to Tonga including Niue	17/03/11
4632		Fiji to Tuvalu	24/11/11
4633		Solomon Islands to Fiji	24/11/11
4635		Cape Byron to Mackay	18/08/11
4636		Recifs Bampton to Ile Hunter	22/12/11
4638		Fiji to Kermadec Islands including Tongatapu	24/02/11
4639		Kermadec Islands to East Cape	24/02/11
4641		Norfolk Island to Cape Egmont	10/02/11
4643		Cape Howe to Cape Moreton	09/12/10
4644		Cape Otway to Cape Howe including Tasmania	09/12/10
4653		Malden Island to Iles de la Societe	24/03/11
4656		Archipel des Tuamotu to Iles Australes	30/06/11
4657		Southern Cook Islands to Iles de la Societe and Iles Australes	15/09/11
4709		Australia – South Coast	17/11/11
4723		Jawa to North West Cape	11/11/10
4725		North West Cape to Cape Leeuwin	11/11/10
4726		Cape Leeuwin to Esperance	23/06/11

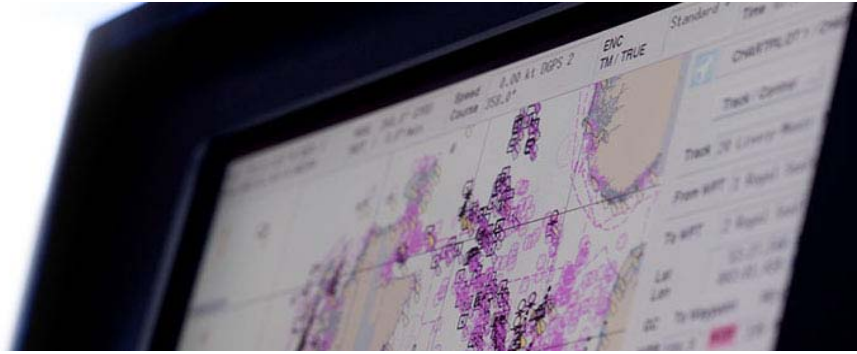
No charts have been scheduled for publication in the next six months although new editions of AUS and NZ charts are likely.

Charts scheduled for publication in the next six to twelve months include:

NE 991 Plans in the South Pacific Ocean

In addition, UK is undertaking a review of the charts in the Kiribati region with a view to embarking on a chart modernisation programme in this area.

## Digital Charts



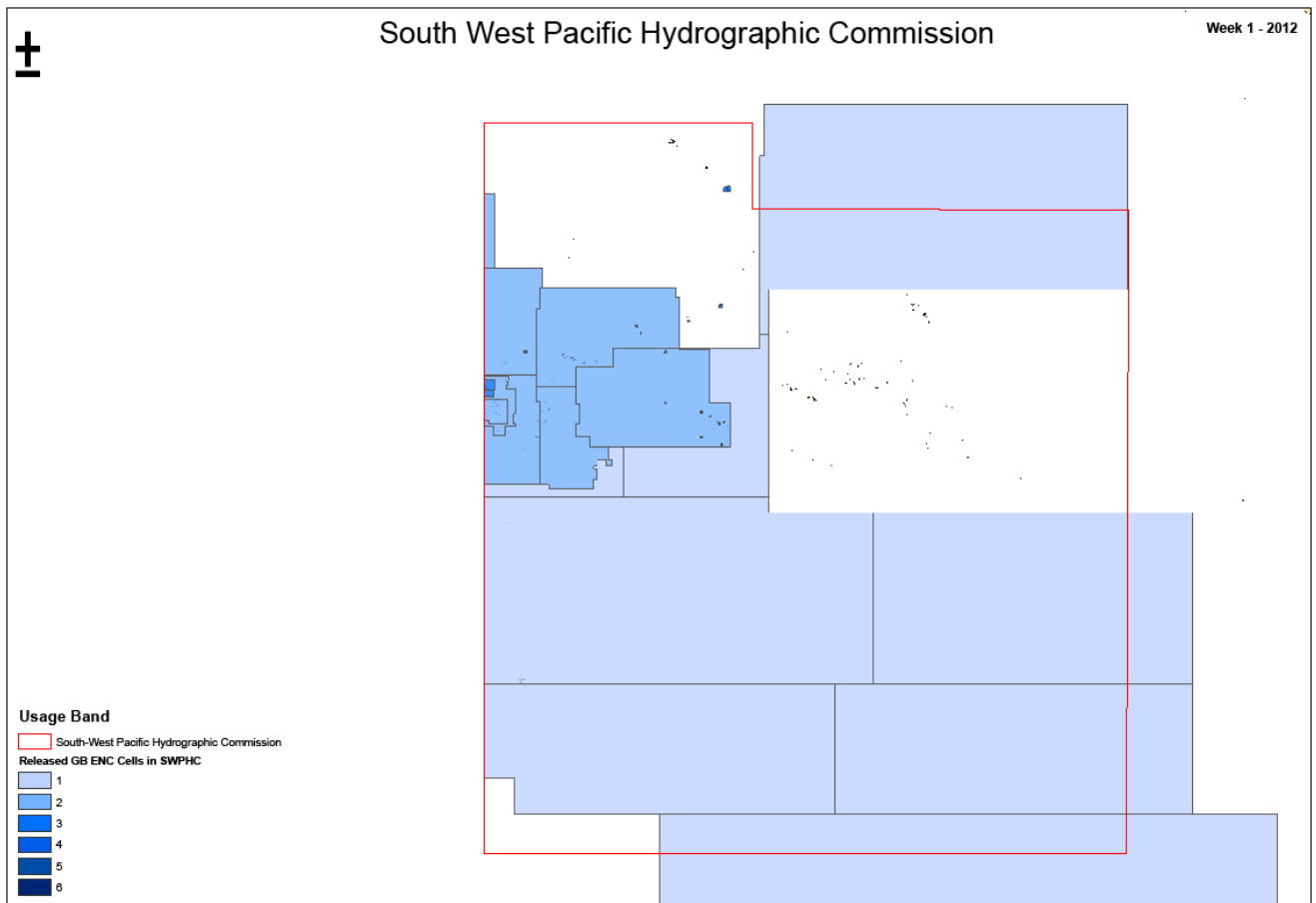
**3.3** As noted in section 3.1, UK's Generic National Report provides information on UK's portfolio of chart products and services.

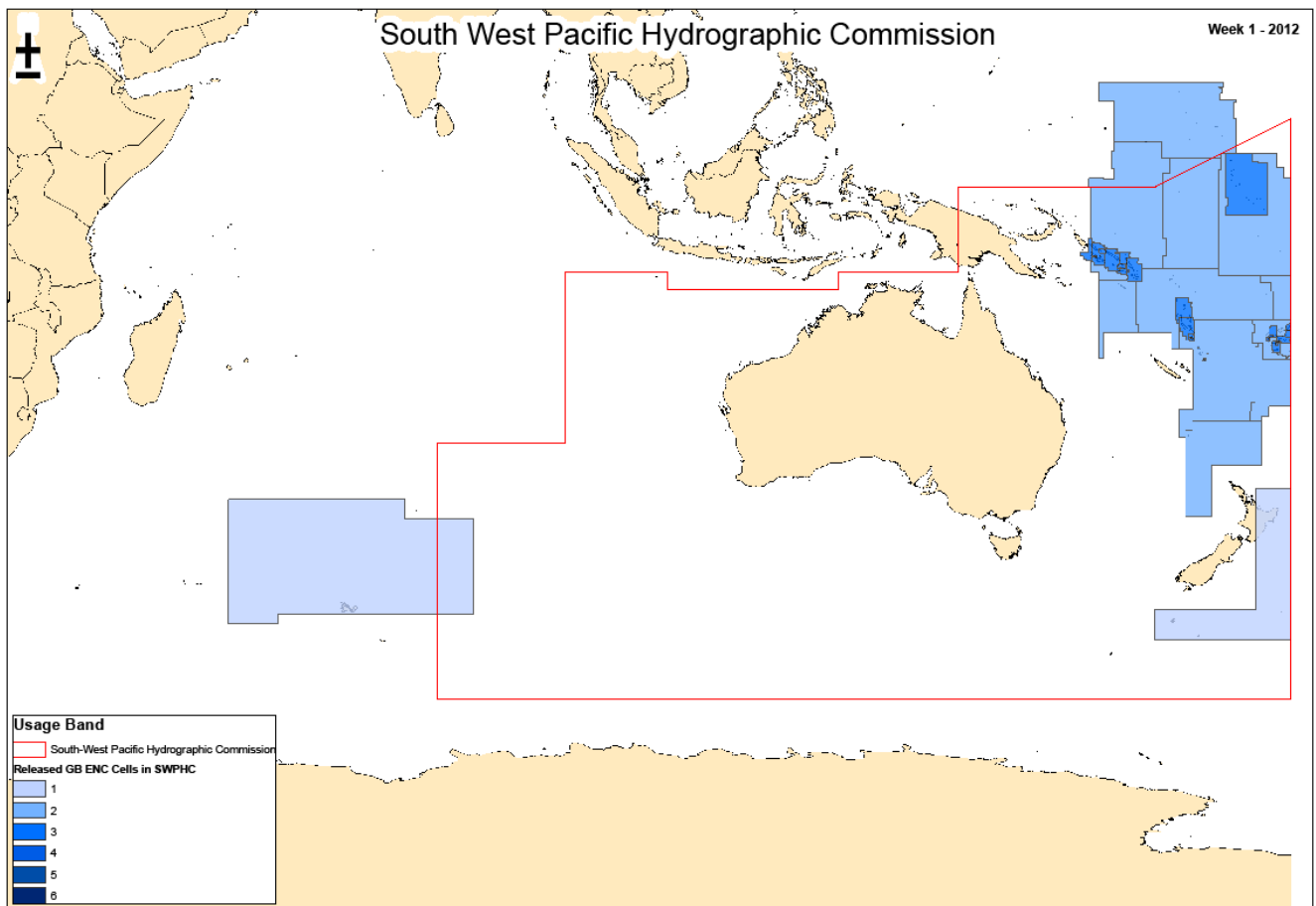
### ENCs

**3.4** Within the SWPHC Region, UK has published 96 ENC cells.

This comprises 10 Overview, 20 General, 23 Coastal, 24 Approach, 18 Harbour cells and 1 Berthing cells. See diagrams in 3.7 and 3.8. A detailed listing is available, if required.

GB Coverage of General (Band 2), Coastal (Band 3), Approach (Band 4) and Harbour (Band 5) Cells, in western part of SWPHC Region (ie East of 180°):





GB Coverage of General (Band 2), Coastal (Band 3), Approach (Band 4) and Harbour (Band 5) Cells, in eastern part of SWPHC Region (ie. West of 180°):

The reason for the significant reduction in coverage in the region (from 130 cells in 2010) is due to the withdrawal of our coverage of Kiribati, replacing it with a single GB ENC cell, and also temporary GB coverage of Australian waters being replaced by AUS cells.

### ENC Distribution

**3.6** The UKHO, along with other European hydrographic offices, was a founder member of the IC-ENC RENC. IC-ENC (International Centre for ENCs) concentrates its efforts on the validation and consistency of ENC data and leaves the marketing of ENCs to the shipping industry to its value-added resellers and chart agents. Additional details can be found on the IC-ENC website ([www.ic-enc.org](http://www.ic-enc.org)).

## 4. PUBLICATIONS

### 4.1 Paper Publications



UK has signed an agreement with Australia in which all copies of the three Australia Pilots will be compiled in Australia and verified and printed by the UK. The AHS has a new editor trained and in place and all three books will now be maintained in Australia.

The current status of Admiralty Sailing Directions in the SWPHC region is as follows:

New Editions Published since last SWPHC meeting:

NP13	Australia Pilot Vol 1	Oct 2011
NP35	Indonesia Pilot Vol 3	Jul 2011
NP51	New Zealand Pilot	Dec 2010
NP62	Pacific Island Pilot Vol 3	Aug 2010

New Editions to be Published:

NP14	Australia Pilot Vol 2	May 2013 (current edition 2010)
NP15	Australia Pilot Vol 3	Nov 2012 (current edition 2009)
NP34	Indonesia Pilot Vol 2	Jan 2013 (current edition 2009)
NP60	Pacific Islands Pilot Vol 1	Mar 2013 (current edition 2007)
NP61	Pacific Islands Pilot Vol 2	Mar 2012 (current edition 2006)

These publications are all maintained on a continuous revision cycle with new editions approximately every three to five years.

### 4.2 Digital Publications



The UKHO continues to develop digital equivalents to its existing paper publications; these have advantages to the mariner of providing additional functionality and minimising the task of updating.

**4.3** The Admiralty digital catalogue may be downloaded free from the UKHO website ([www.ukho.gov.uk](http://www.ukho.gov.uk)); it includes details of all paper and digital charts and publications and is updated weekly. It is a useful tool to check on the ENC coverage within the region and to show the latest edition dates of both charts and publications.



## 5. MARITIME SAFETY INFORMATION



**5.1** The UK's principal responsibility within the SWPHC region is for its British Overseas Territories of the Pitcairn Islands (Pitcairn, Henderson, Ducie and Oeno Islands), and those Commonwealth of Nations countries where the United Kingdom undertakes primary charting, including Fiji, Kiribati, Solomon Islands, Tuvalu, and Vanuatu. UK maintains close liaison with the NAVAREA Co-ordinators for NAVAREAs XIV which cover the SWPHC area. Any information received at UKHO which requires urgent promulgation is passed to the respective NAVAREA Co-ordinator on a H24 basis.

**5.2** With the exceptions of Australia and New Zealand, GMDSS coverage in the SWPHC region is generally sparse and administrations should be encouraged to develop their capabilities and infrastructure and to provide at least Phase One hydrographic capability to promulgate navigational warnings in a timely and efficient manner in their coastal regions, or to utilise the communications facilities of the NAVAREA X and XIV Co-ordinators.

**5.3** Assistance with promulgating Notices to Mariners and other paper and electronic chart correcting material should also be encouraged through co-operation with other hydrographic offices in the region if required.

## 6. C-55 (previously known as S-55) LATEST UPDATE

**6.1** As described in the UK Generic National Report, the UKHO is committed to providing regular updates to the C-55 entries for UK Home Waters and its British Overseas Territory of Pitcairn Islands (Pitcairn, Henderson, Ducie and Oeno Islands). For the latest update see C-55; we have incorporated the additional breakdown of chart coverage (percentage of metric and WGS84 charts) as requested in IHO Circular Letter 102/2008.

**6.2** UK has also provided assistance to update C-55 entries to other countries, including Fiji, Kiribati, Solomon Islands, Tuvalu, Vanuatu, where the UKHO provides primary charting, recognising that local input remains critical to the maintenance of C-55 as an up-to-date and authoritative reference document.

## 7. CAPACITY BUILDING

**7.1** UK fully supports the IHO CBSC strategy and particularly its emphasis on getting Phase 1 and appropriate Phase 2 capacity in place to enable coastal states to meet their obligations under SOLAS Chapter V Regulations 4 and 9. UK will continue to contribute resources to both CBSC initiatives and to providing bilateral assistance.

**7.2** UK joined the IHB in technical visits to Kiribati, Vanuatu and Fiji in the autumn of 2011 and will be proactive in following up on the recommendations made.

**7.3** UKHO has a post dedicated to capacity building. Its key aims are to ensure that capacity building is properly considered in UKHO activity and that UKHO's capacity building activities are fully coordinated. It acts as the initial point of contact for UKHO involvement in capacity building activities, including UK involvement in regional hydrographic commission initiatives and IHO Capacity Building Sub Committee activities. It will have a particular responsibility for UK Overseas Territories and liaison with UK's Foreign and Commonwealth Office and with overseas High Commissions to generate phased development of capability and new survey activity. Further information can be obtained from Mr. Jeff Bryant ([Jeff.bryant@ukho.gov.uk](mailto:Jeff.bryant@ukho.gov.uk)). Mr. Bryant is the Capacity Building Coordinator for the MACHC, NIOHC, SAIHC and RSAHC regions.

## 7.4 Cartographic Training provided by UKHO



A general description of training provided by UKHO is included in the UK Generic National Report. Further details of the training opportunities offered by the UKHO can be found on the UKHO website.

## 7.5 ENC Training and Assistance



The UKHO strongly supports the successful uptake of ECDIS using ENC, and is happy to assist other nations to produce, maintain and distribute ENCs. Details of courses, sponsorship, venues and options for bespoke training provided by the UKHO are included in the UK Generic National Report.

## 7.6 Survey Training at Flag Officer Sea Training - Hydrography, Meteorology and Oceanography (FOST-HM)

Nationally and internationally certified courses delivered by FOST-HM in Plymouth, are described in the UK Generic National Report.

## 8. OCEANOGRAPHIC ACTIVITIES

This is described in the UK Generic National Report.

## 9. OTHER ACTIVITIES

### UK Celebrations for World Hydrography Day

The IHO theme for the 2011 World Hydrography day was “Human resources – The important element to the success of Hydrography”.

The UKHO celebrated World Hydrography Day 2011 at a reception held on board HMS PRESIDENT in London on June 22, hosted by Mr Mike Robinson (Chief Executive, UKHO) and Rear Admiral Nick Lambert (National Hydrographer, UKHO).



The annual presentation of the Alexander Dalrymple award was made at the reception and this year presented to US National Geospatial Intelligence Agency Hydrographer, Rear Admiral Chris Andreasen, for his outstanding contribution to Hydrography. The award is a symbol of recognition for outstanding dedication and contribution to world hydrography and as such is an extremely prestigious award in this sector. It takes its name from Alexander Dalrymple who established the Hydrographic Office in 1795 and is regarded as a leading figure in the history of the development of hydrography.

Building on the theme of this year's World Hydrography Day Celebrations, and in order to recognise the importance and significance of the contribution of Hydrographic Staff to the success and recognition of Hydrography, the UKHO hosted a celebration in recognition of its staffs' contribution to the success of World Hydrography on Friday, 16<sup>th</sup> September 2011.

## **10. CONCLUSION**

The UKHO continues its commitment to carrying forward hydrographic activities through the work of the IHO's Regional Hydrographic Commissions, and notes that each commission has its own particular opportunities and challenges.

UK has a strong commitment to the Australasia and the South Pacific Region, through its primary charting within the region and through its continuing interest in developing regional hydrographic self-sufficiency through capacity building measures.

The UK, through the UKHO and the national maritime administration (MCA), continues to pursue opportunities to improve access to bathymetric data gathering in waters around the islands and Nation States for which the UK provides primary charting, particularly in support of South Pacific cruise-ship traffic.

There is a continuing challenge to link the scarce local data gathering resources into a broad programme of prioritised new charts and new editions.

The provision of adequate ENC coverage, in support of the IMO carriage requirement for ECDIS that comes progressively into force from 2012, presents a challenge in the SWPHC region as in other areas of the world.

With a diverse range of shipping interests in the Region, improving the effective distribution of hydrographic publications and updates remains paramount.

Taunton, January 2012

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